



TECHNICAL DATA SHEET

PUR85A-ANTISTAT

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PRODUCT DESCRIPTION

PUR85A-ANTISTAT is a static dissipative thermoplastic polyurethane (TPU) alloy. PUR85A-ANTISTAT utilizes a patented inherently dissipative polymer (ISP) alloy system to provide clean, permanent ESD protection.

Properties (typical)	Value	Units	Test Method
Host Polymer	Polyether TPU		
Filler	IDP Alloy		
Color	Transparent		
Specific Gravity	1.2	g/cc	ASTM D-792
Shore Hardness	88	Shore A	ASTM D-2240
Electrical Properties:			
Surface Resistivity	1×10^{11}	Ω /square	ASTM D-257
Volume Resistivity	4×10^{10}	Ω -cm	ASTM D-257
Static Decay Rate			
+5000 V to 50 V	1.3	Seconds	FTMS-101C (12% R.H.)
-5000 V to -50 V	1.3	Seconds	
Mechanical Properties			
Tensile Strength	4700 (32)	psi (MPa)	ASTM D-412
Ultimate Elongation	760	%	ASTM D-412
Modulus @ 100%	750 (5.2)	psi (MPa)	ASTM D-412
Modulus @ 300%	1800 (12.4)	psi (MPa)	ASTM D-412
Tear Strength	410 (68)	ft-lb/in (kN/m)	ASTM D-646

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